

Figure 1

Variable	Mean	SD	Min	Max
Age	34.5	10.2	21	55
Gender	0.5	0.5	0	1
Marital status	0.6	0.5	0	1
Education	12.5	1.5	9	16
Income	1500	500	500	3000
Health status	0.8	0.2	0	1
Smoking status	0.3	0.5	0	1
Alcohol consumption	0.2	0.4	0	1
Exercise frequency	0.5	0.5	0	1
Stress level	0.7	0.3	0	1
Sleep quality	0.6	0.4	0	1
Work satisfaction	0.5	0.5	0	1
Life satisfaction	0.6	0.4	0	1
Depression score	0.3	0.5	0	1
Anxiety score	0.2	0.4	0	1
Quality of life	0.7	0.3	0	1
Healthcare utilization	0.4	0.5	0	1
Health insurance status	0.9	0.1	0	1
Chronic disease status	0.1	0.3	0	1
Family size	2.5	1.0	1	5
Home ownership	0.7	0.4	0	1
Transportation access	0.8	0.2	0	1
Food security	0.9	0.1	0	1
Shelter security	0.9	0.1	0	1
Community safety	0.8	0.2	0	1
Environmental quality	0.7	0.3	0	1
Access to services	0.6	0.4	0	1
Healthcare quality	0.5	0.5	0	1
Healthcare access	0.4	0.5	0	1
Healthcare cost	0.3	0.5	0	1
Healthcare satisfaction	0.6	0.4	0	1
Healthcare utilization	0.5	0.5	0	1
Healthcare access	0.4	0.5	0	1
Healthcare cost	0.3	0.5	0	1
Healthcare satisfaction	0.6	0.4	0	1
Healthcare utilization	0.5	0.5	0	1
Healthcare access	0.4	0.5	0	1
Healthcare cost	0.3	0.5	0	1
Healthcare satisfaction	0.6	0.4	0	1
Healthcare utilization	0.5	0.5	0	1
Healthcare access	0.4	0.5	0	1
Healthcare cost	0.3	0.5	0	1
Healthcare satisfaction	0.6	0.4	0	1
Healthcare utilization	0.5	0.5	0	1
Healthcare access	0.4	0.5	0	1
Healthcare cost	0.3	0.5	0	1
Healthcare satisfaction	0.6	0.4	0	1
Healthcare utilization	0.5	0.5	0	1
Healthcare access	0.4	0.5	0	1
Healthcare cost	0.3	0.5	0	1
Healthcare satisfaction	0.6	0.4	0	1
Healthcare utilization	0.5	0.5	0	1
Healthcare access	0.4	0.5	0	1
Healthcare cost	0.3	0.5	0	1
Healthcare satisfaction	0.6	0.4	0	1
Healthcare utilization	0.5	0.5	0	1
Healthcare access	0.4	0.5	0	1
Healthcare cost	0.3	0.5	0	1
Healthcare satisfaction	0.6	0.4	0	1
Healthcare utilization	0.5	0.5	0	1
Healthcare access	0.4	0.5	0	1
Healthcare cost	0.3	0.5	0	1
Healthcare satisfaction	0.6	0.4	0	1
Healthcare utilization	0.5	0.5	0	1
Healthcare access	0.4	0.5	0	1
Healthcare cost	0.3	0.5	0	1
Healthcare satisfaction	0.6	0.4	0	1
Healthcare utilization	0.5	0.5	0	1
Healthcare access	0.4	0.5	0	1
Healthcare cost	0.3	0.5	0	1
Healthcare satisfaction	0.6	0.4	0	1
Healthcare utilization	0.5	0.5	0	1
Healthcare access	0.4	0.5	0	1
Healthcare cost	0.3	0.5	0	1
Healthcare satisfaction	0.6	0.4	0	1
Healthcare utilization	0.5	0.5	0	1
Healthcare access	0.4	0.5	0	1
Healthcare cost	0.3	0.5	0	1
Healthcare satisfaction	0.6	0.4	0	1
Healthcare utilization	0.5	0.5	0	1
Healthcare access	0.4	0.5	0	1
Healthcare cost	0.3	0.5	0	1
Healthcare satisfaction	0.6	0.4	0	1
Healthcare utilization	0.5	0.5	0	1
Healthcare access				

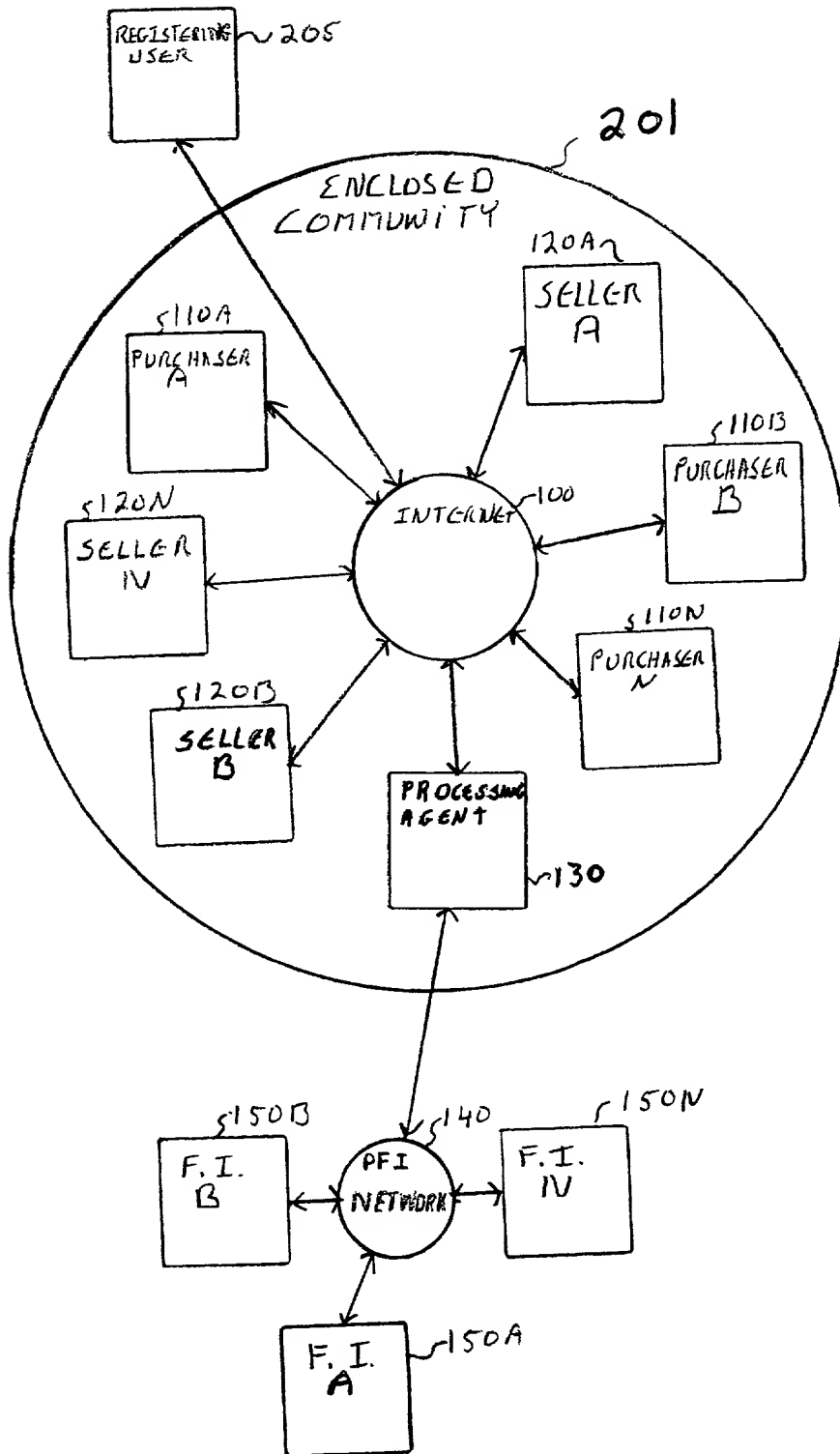


FIGURE 2

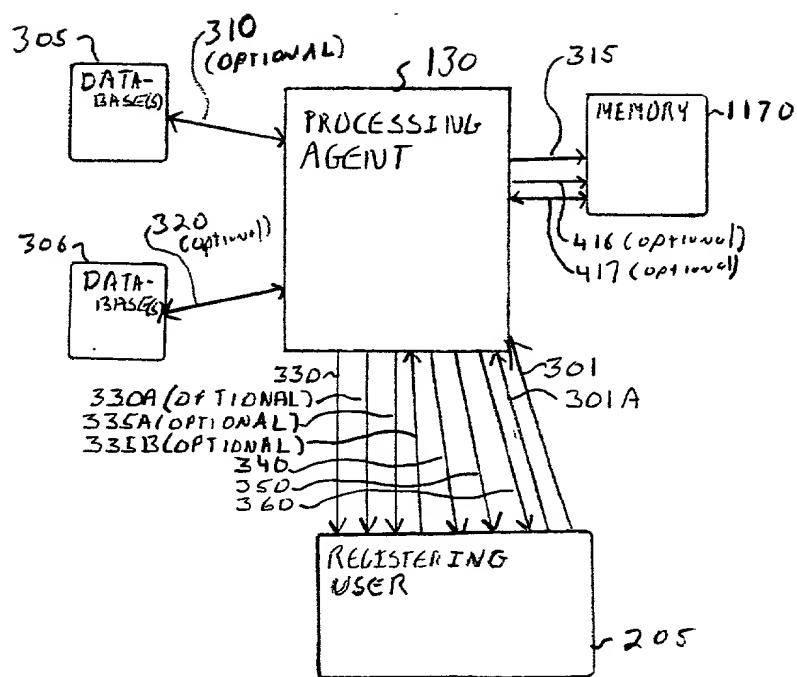


FIGURE 3

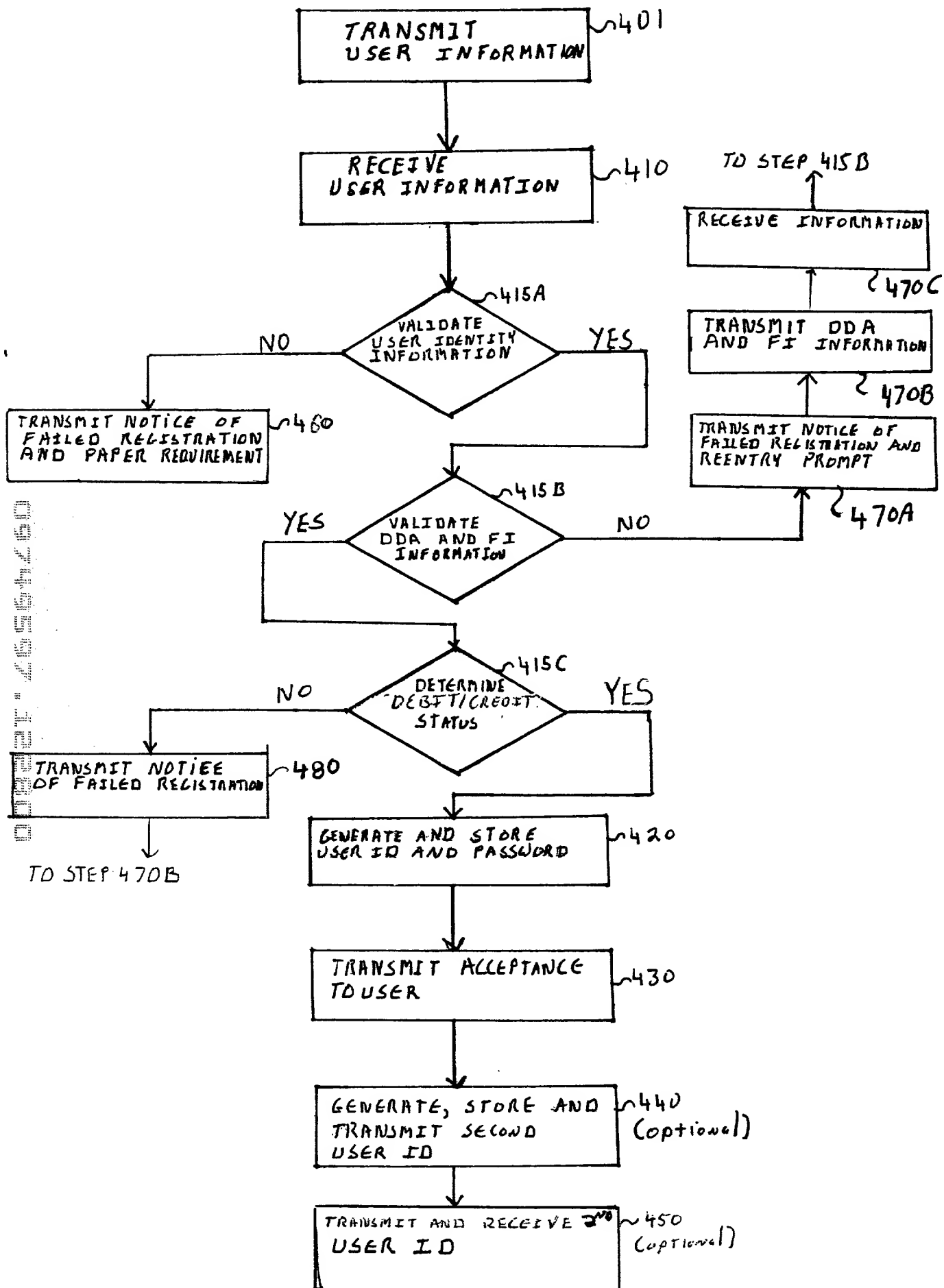


FIGURE 4

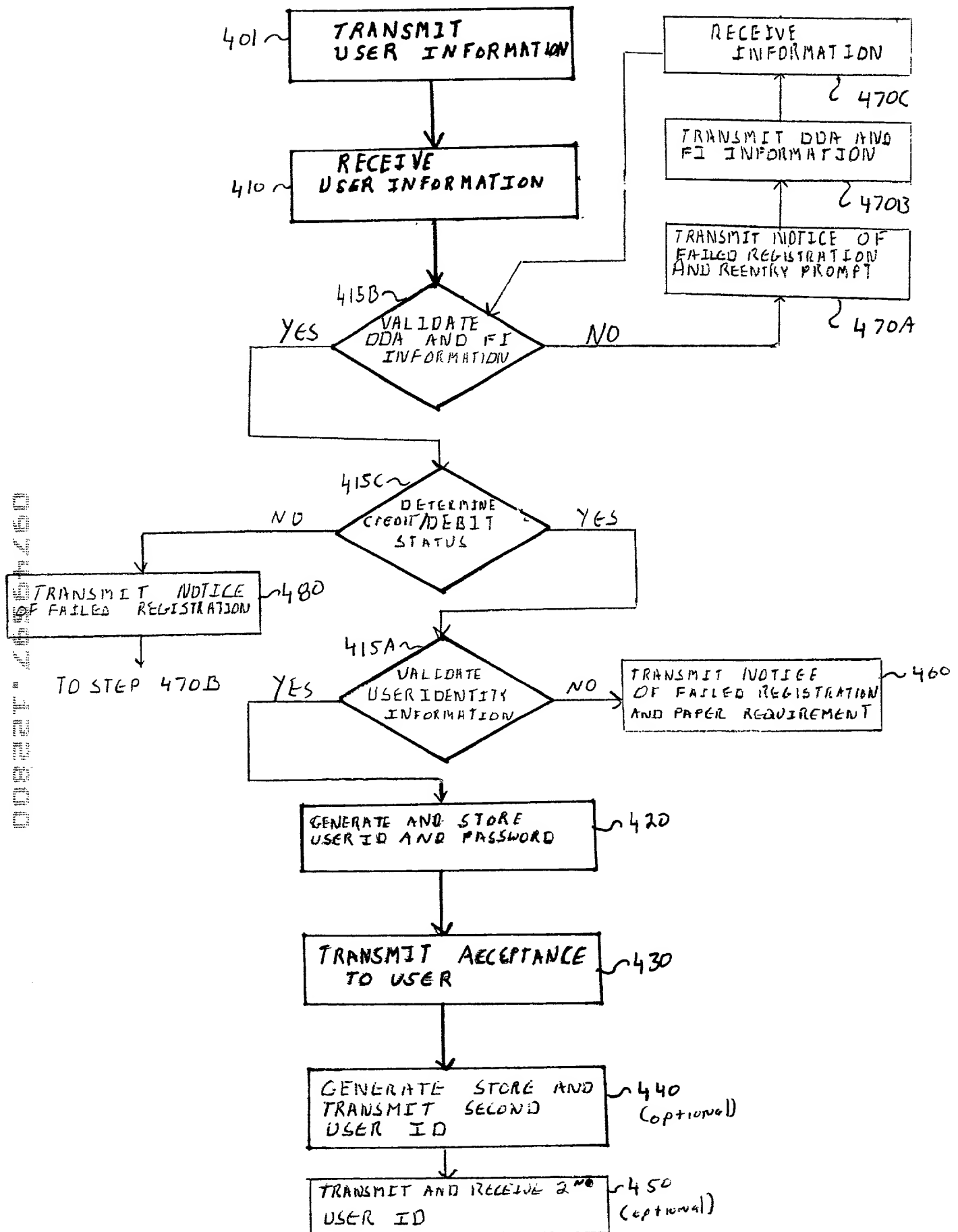
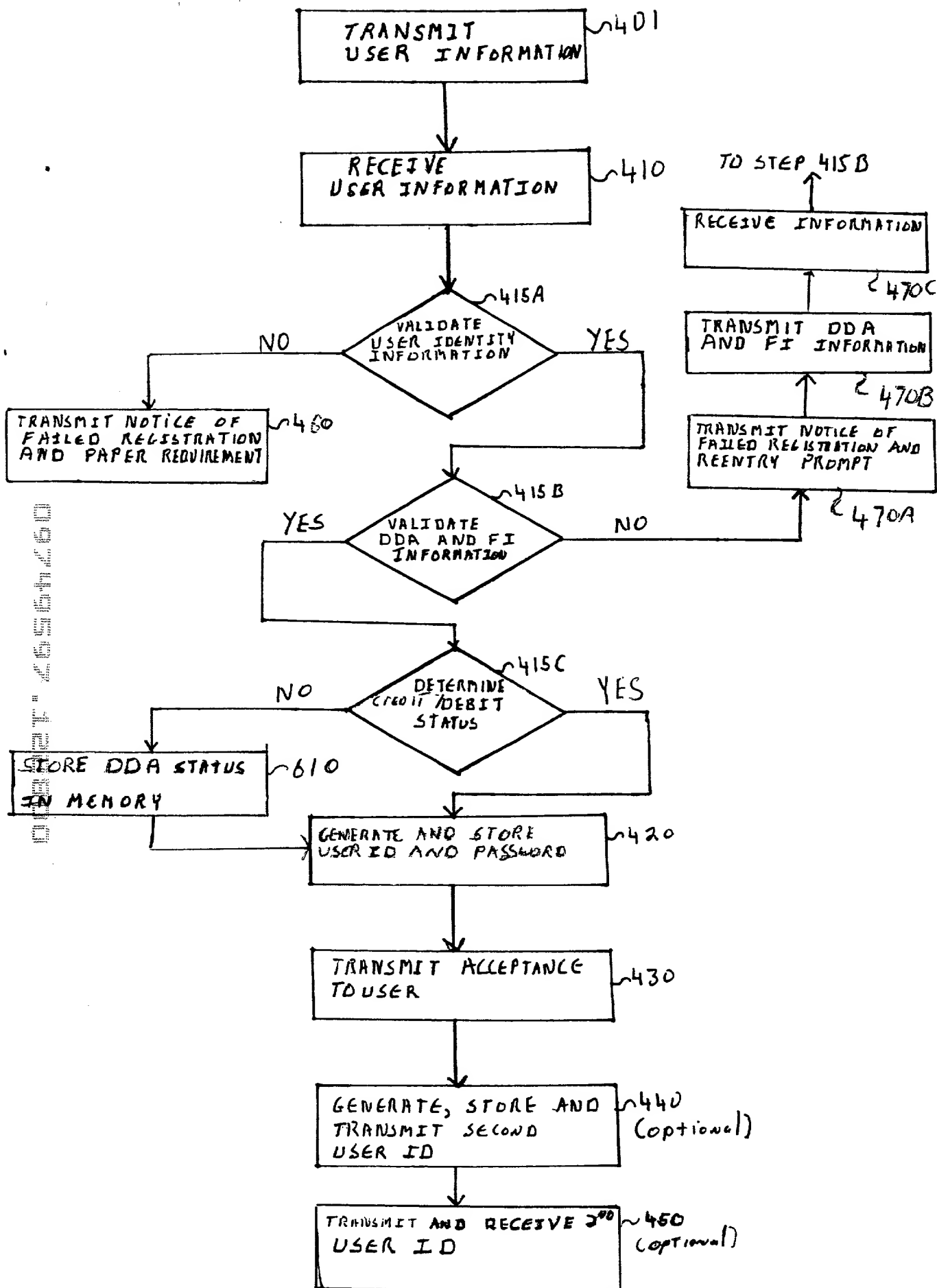


FIGURE 5



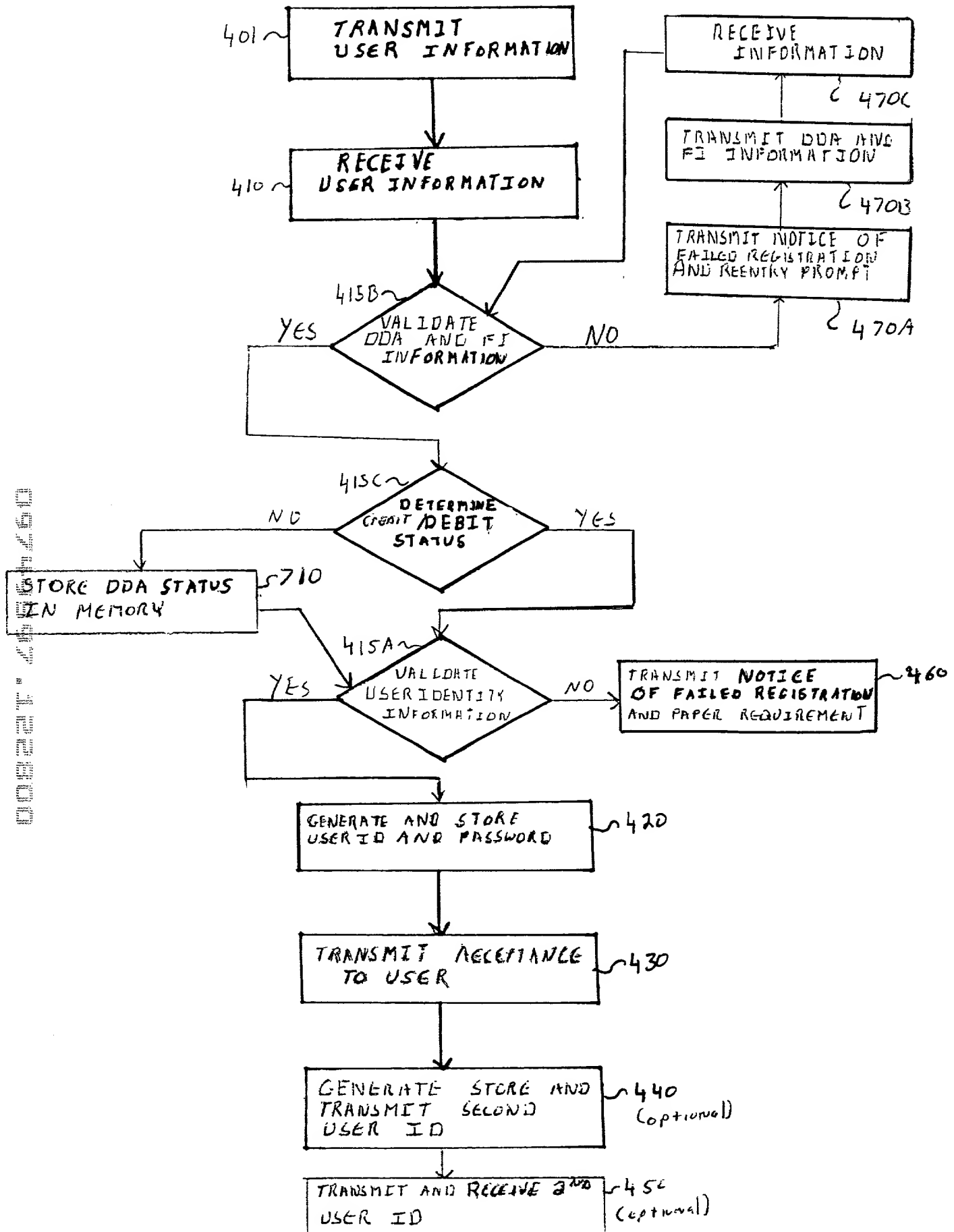


FIGURE 7

The diagram illustrates a system architecture with the following components and connections:

- Processing Agent (130)**: The central component of the system.
- Data Base (305)**: Connected to the Processing Agent via a bidirectional arrow labeled **310 (optional)**.
- Data Base (306)**: Connected to the Processing Agent via a bidirectional arrow labeled **320 (optional)**.
- Memory (1170)**: Connected to the Processing Agent via multiple lines labeled **315**, **416 (optional)**, and **417 (optional)**.
- Registering User (205)**: Connected to the Processing Agent via multiple lines labeled **330A (optional)**, **335A (optional)**, **335B (optional)**, **340**, **350**, **360**, and **301A**.
- External Input/Output (801)**: A line labeled **801** is connected to the Processing Agent.

FIGURE 8



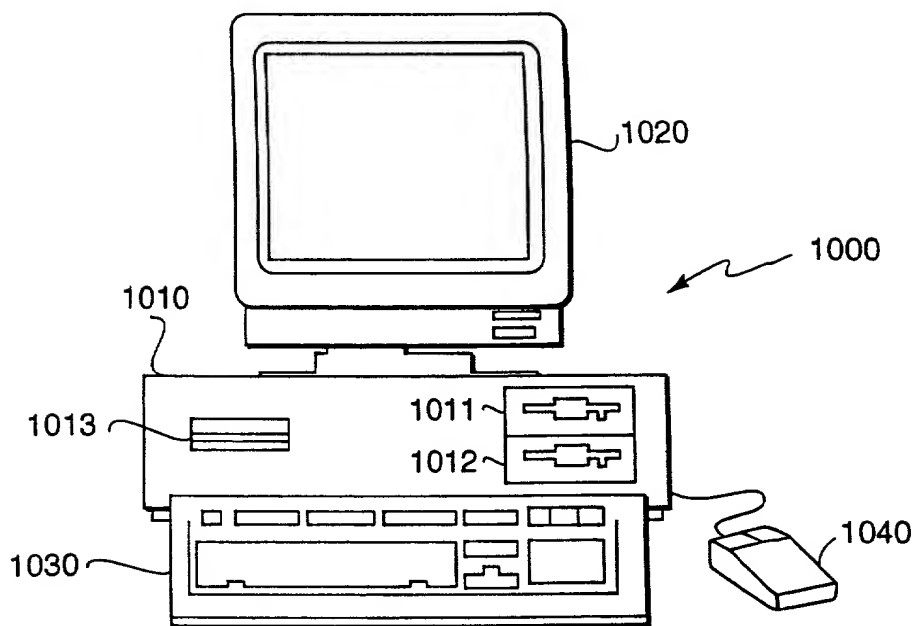


FIG. 9

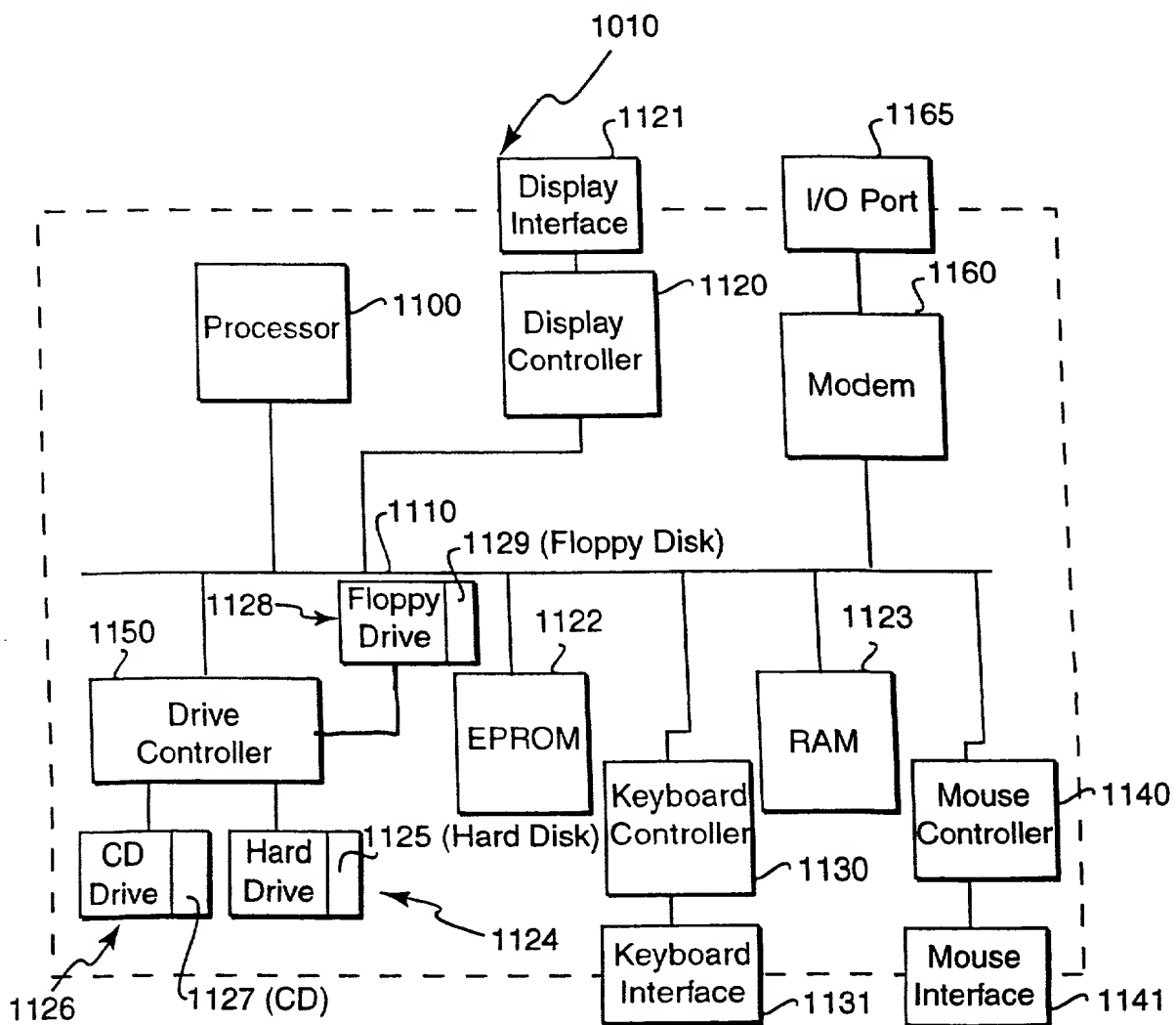


FIGURE 10

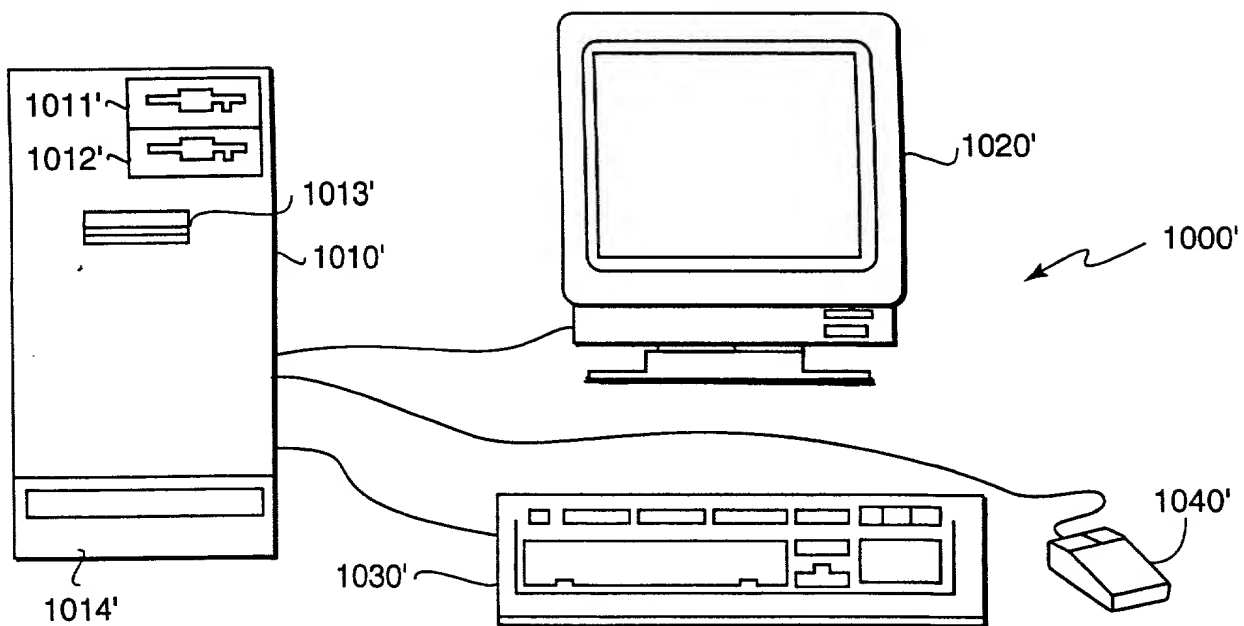


FIG. 11A

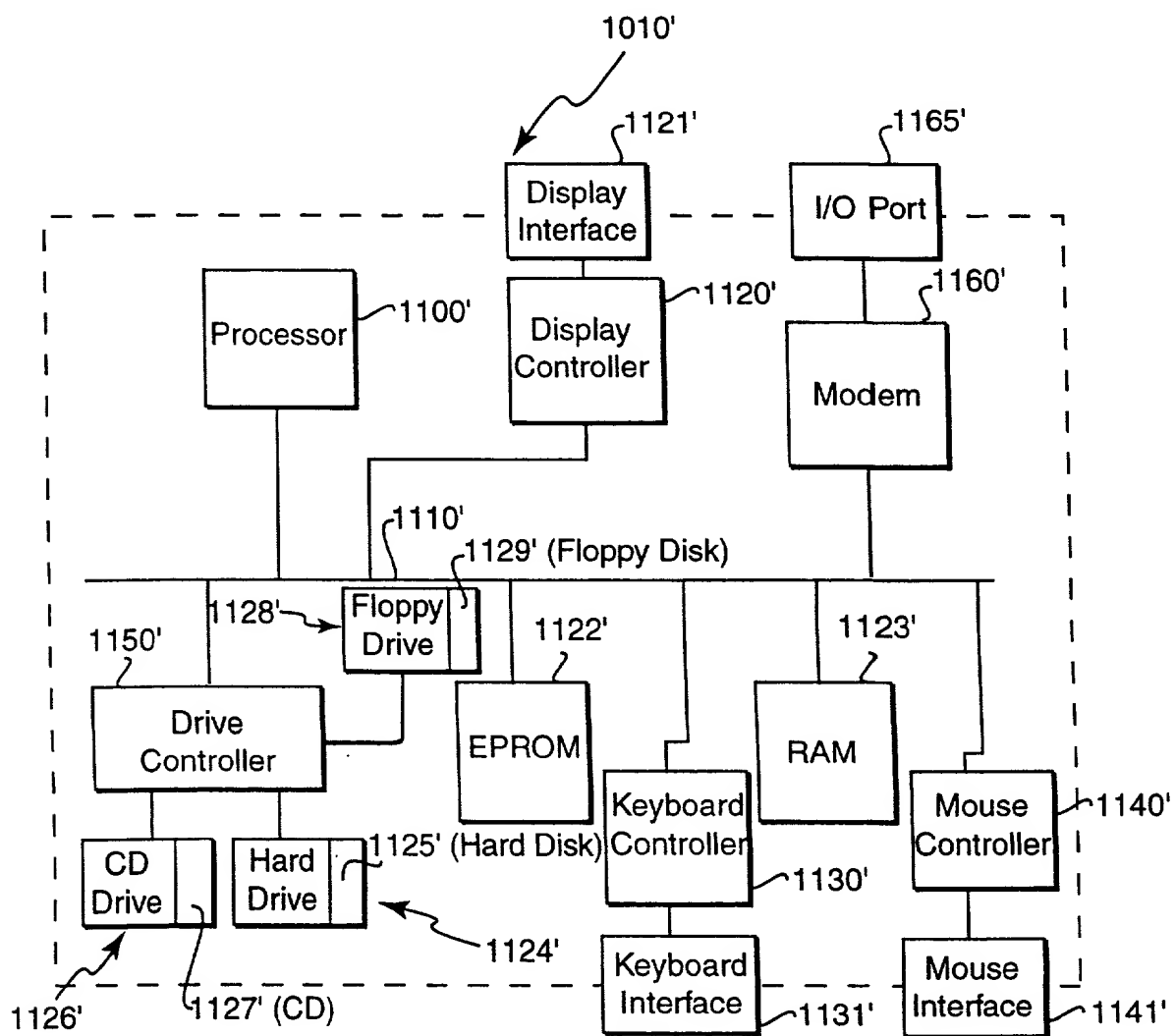


FIG. 11B

```

graph TD
    PA[PURCHASER A] -- 1201 --> SA[SELLER A]
    PA -- 1205 --> FIA[F.I. A]
    FIA -- 1208B --> PR[PROCESSING AGENT]
    PR -- 1208A --> SA
    PR -- 1210 --> FIA
    PR -- 1220 --> FID[F.I. D]
    FIA -.- "(funds)" --> FID
    FID -.- "(funds)" --> FIB[F.I. B]

```

FIGURE 12

```

graph TD
    1301[NEGOTIATE TERMS OF SALE TRANSACTION] --> 1305[TRANSMIT PAYMENT INSTRUCTIONS TO PROCESSING AGENT]
    1305 --> 1316[INITIATE DEBIT FROM PURCHASER'S ACCOUNT]
    1316 --> 1320A[INITIATE DEBIT FROM PROCESSING AGENT'S ACCOUNT]
    1320A --> 1320B[TRANSMIT NOTICE OF FUNDS AVAILABILITY TO SELLER]
  
```

FIGURE 13

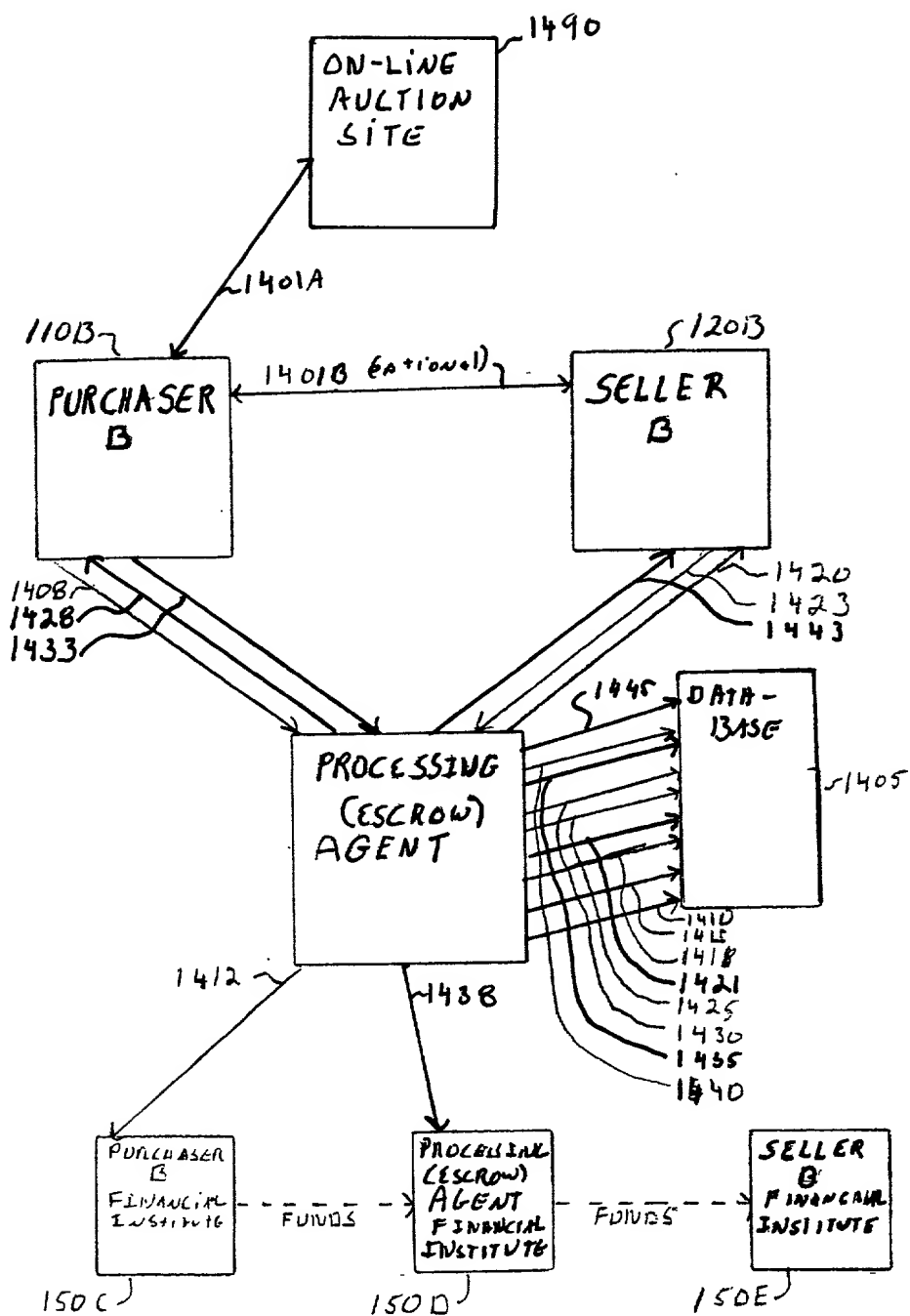


FIGURE 14

```

graph TD
    1501[BID ACCEPTANCE/  
NEGOTIATION] --> 1508[SUBMIT PAYMENT/  
ESCROW REQUEST]
    1508 --> 1510[STORE REQUEST IN  
DATABASE WITH "FUNDS ESCROW  
INDICATOR"]
    1510 --> 1512[INITIATE DEBIT  
from purchaser Account]
    1512 --> 1515[CHANGE STATE OF  
PAYMENT REQUEST TO  
"DEBIT INITIATED"]
    1515 --> 1518[CHANGE STATE OF  
PAYMENT REQUEST TO  
"DEBIT APPROVED"]
    1518 --> 1520[NOTIFY SELLER TO SHIP]
    1520 --> 1521[CHANGE STATE OF  
PAYMENT REQUEST TO  
"SELLER NOTIFIED TO SHIP"]
  
```

TO STEP 1523 FIG. 15B

FROM STEP 1521 FIGURE 15A

SHIP GOODS CONFIRM  
SHIPPING WITH PROCESSING  
(ESCROW) AGENT ~1523

1525  
CHANGE STATE OF PAYMENT  
REQUEST TO "SHIPPING/PERFORMANCE  
CONFIRMATION RECEIVED"

NOTIFY PURCHASER THAT GOODS  
HAVE BEEN SHIPPED/PERFORMANCE  
INITIATED/COMPLETED  
(OPTIONAL) ~1528

(OPTIONAL)  
CHANGE STATE OF PAYMENT  
REQUEST TO "PURCHASER  
NOTIFIED OF SHIPMENT/PERFORMANCE" ~1530

NOTIFY PROCESSING (ESCROW)  
AGENT OF  
ACCEPTANCE ~1533

CHANGE STATE OF PAYMENT REQUEST ~1535  
TO "PURCHASER ACCEPTANCE OF  
GOODS/SERVICES RECEIVED"

TO STEP 1540 FIG. 15C

INITIATE DEBIT ~1538  
from processing (escrow) agent

FIGURE 15B

FROM STEP 1538 FIGURE 15B

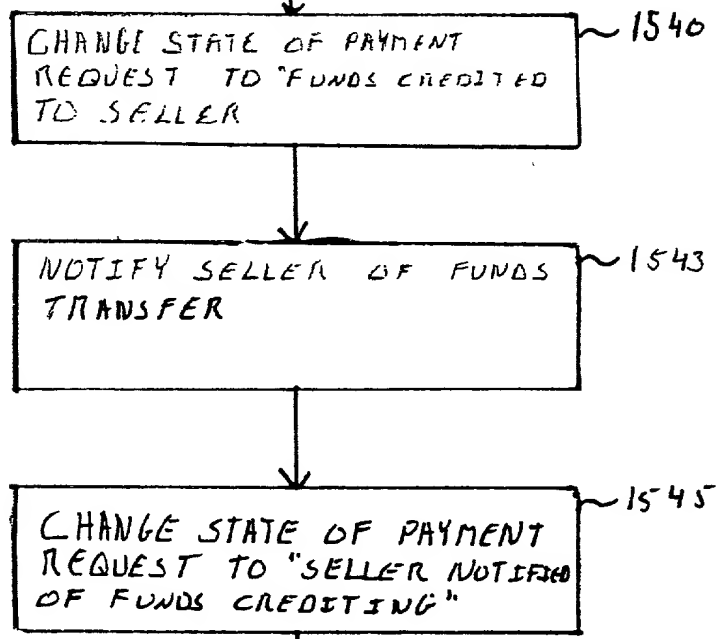
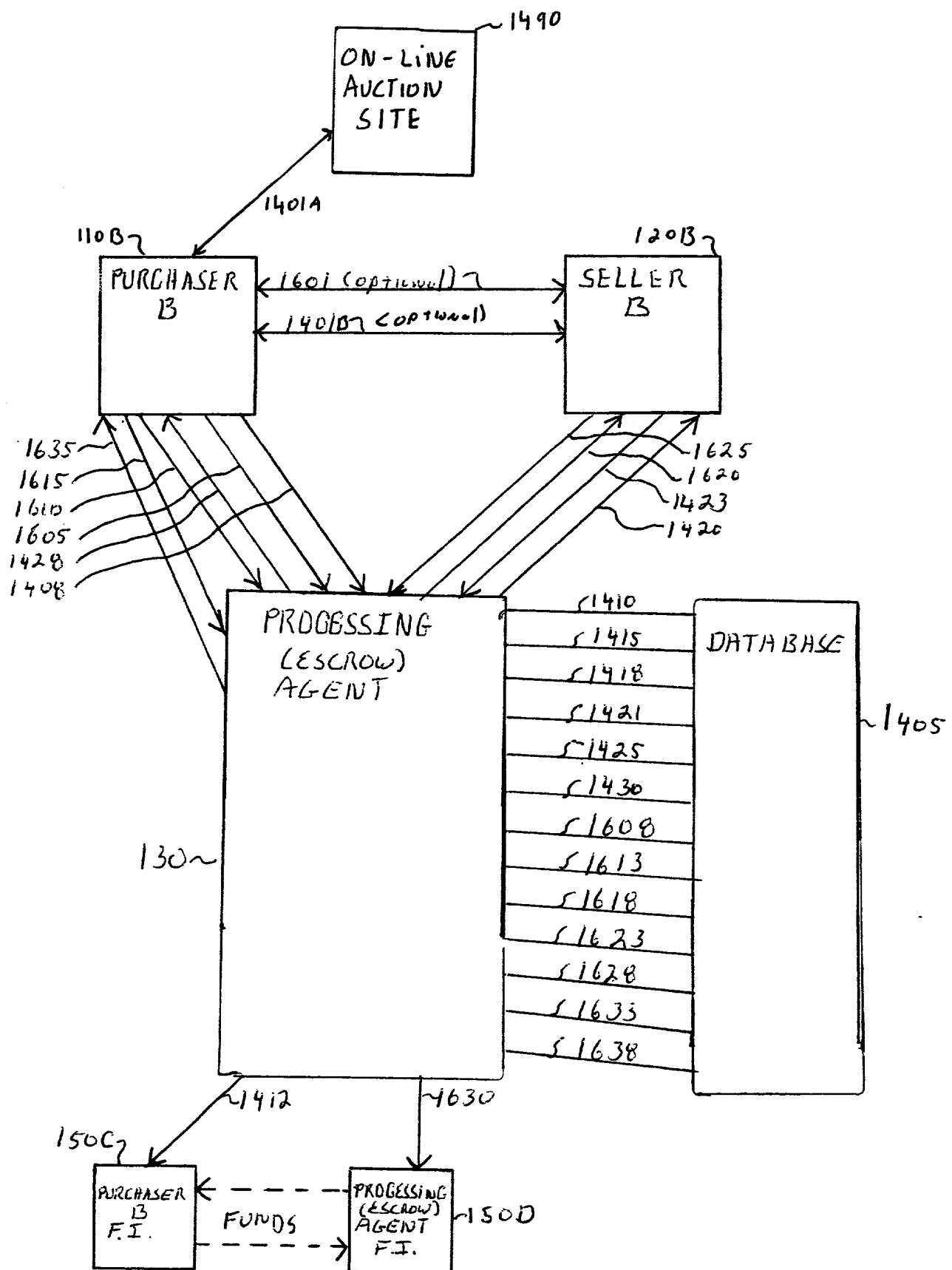


FIGURE 15C





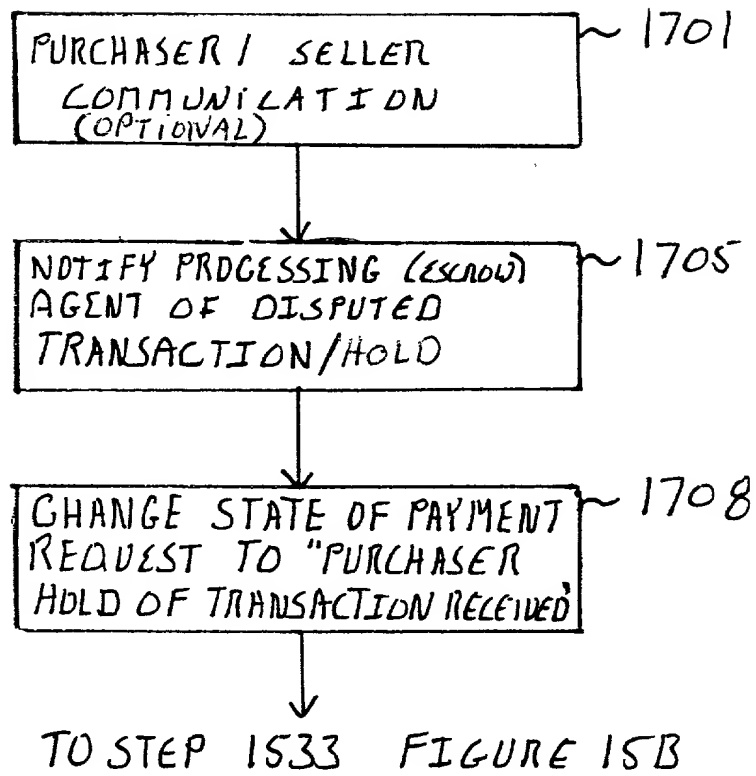


FIGURE 17A

```

graph TD
    1701[PURCHASER/ SELLER  
COMMUNICATION  
(OPTIONAL)] --> 1705[NOTIFY PROCESSING  
(ESCROW) AGENT OF  
DISPUTED TRANSACTION/HOLD]
    1705 --> 1708[CHANGE STATE OF PAYMENT  
REQUEST TO "PURCHASER HOLD  
OF TRANSACTION RECEIVED"]
    1708 --> 1710[NOTIFY PROCESSING (ESCROW)  
AGENT OF REVERSAL]
    1710 --> 1713[CHANGE STATE OF PAYMENT  
REQUEST TO "PURCHASER  
REJECTION OF TRANSACTION  
RECEIVED"]
    1713 --> 1715[SHIP GOODS AND CONFIRM  
SHIPPING WITH PROCESSING  
(ESCROW) AGENT]
    1715 --> 1718[CHANGE STATE OF PAYMENT  
REQUEST TO "RETURN  
CONFIRMATION RECEIVED"]
    1718 --> 1720[TO STEP 1720 FIGURE 17C]
  
```

FILED 17B

FROM STEP 1718 FIGURE 17B

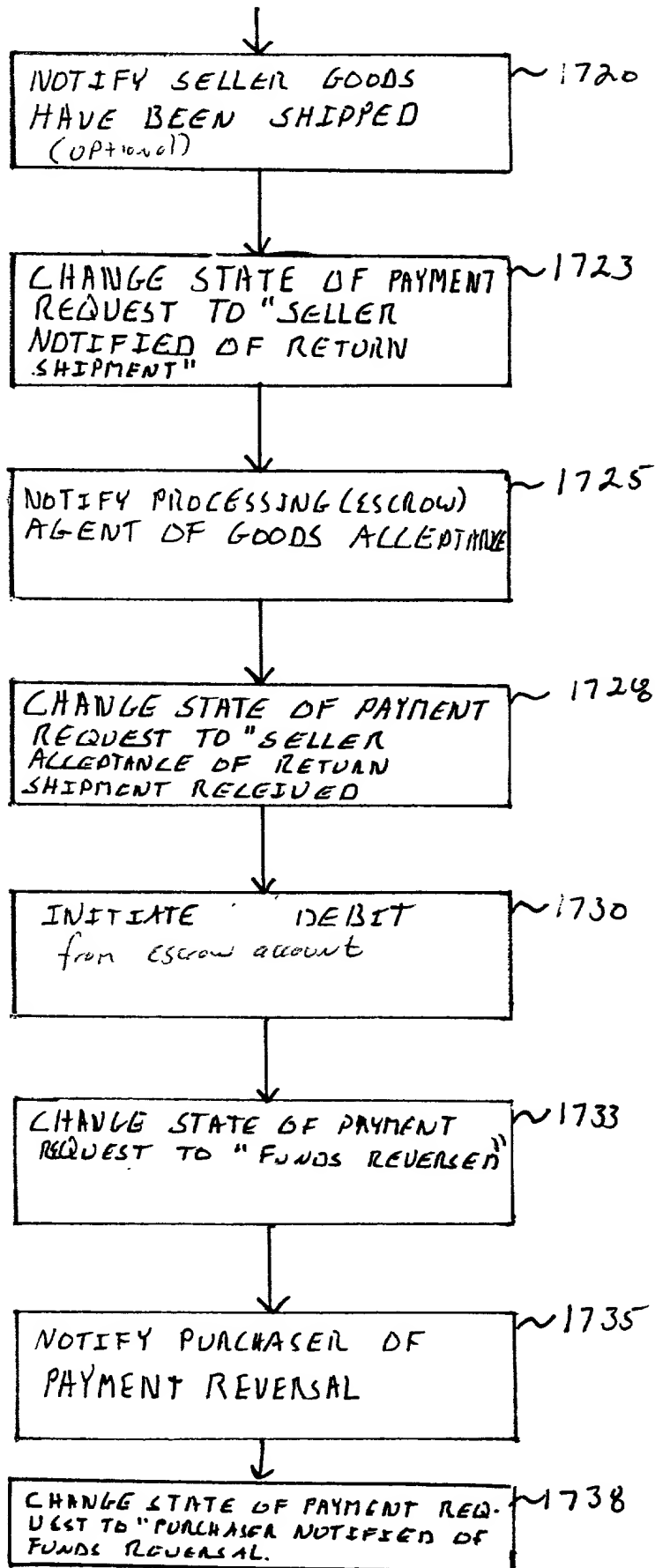


FIGURE 17C

The diagram illustrates a system architecture for processing donor information. It consists of the following components and connections:

- REGISTERED DONOR (1800A)**: A box at the top left.
- REGISTERED RECIPIENT (1800B)**: A box at the top right.
- PROCESSING AGENT (130)**: A central box.
- DATA-BASE (1805)**: A vertical box on the right.
- DONOR F.I. (150G)**: A box at the bottom left.
- PROCESSING AGENT F.I. (150D)**: A box at the bottom center.

**Connections and Data Flow:**

- An arrow labeled **1801A (optional)** points from **REGISTERED DONOR (1800A)** to **REGISTERED RECIPIENT (1800B)**.
- An arrow labeled **1801B** points from **REGISTERED DONOR (1800A)** to **PROCESSING AGENT (130)**.
- An arrow labeled **1850** points from **PROCESSING AGENT (130)** to **REGISTERED RECIPIENT (1800B)**.
- Five arrows point from **PROCESSING AGENT (130)** to **DATA-BASE (1805)**, labeled **1806**, **1830**, **1835**, **1845**, and **1820A**.
- An arrow labeled **1855** points from **DATA-BASE (1805)** to **PROCESSING AGENT (130)**.
- An arrow labeled **1825** points from **PROCESSING AGENT (130)** to **DONOR F.I. (150G)**.
- An arrow labeled **1840** points from **PROCESSING AGENT (130)** to **PROCESSING AGENT F.I. (150D)**.

FIGURE 18A

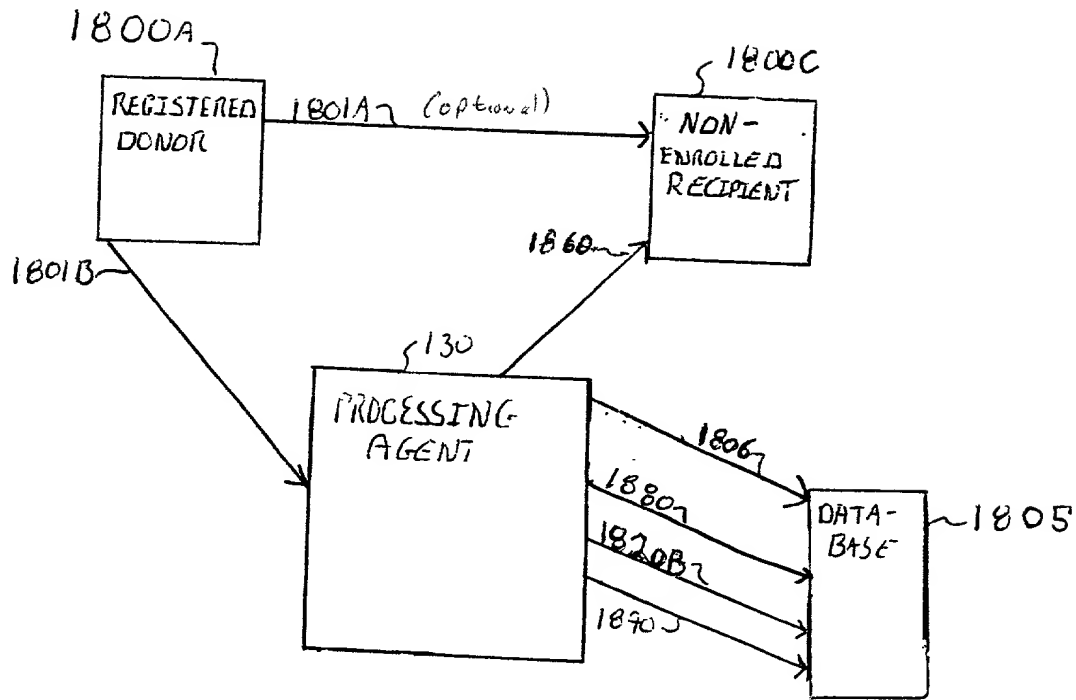


FIGURE 18B

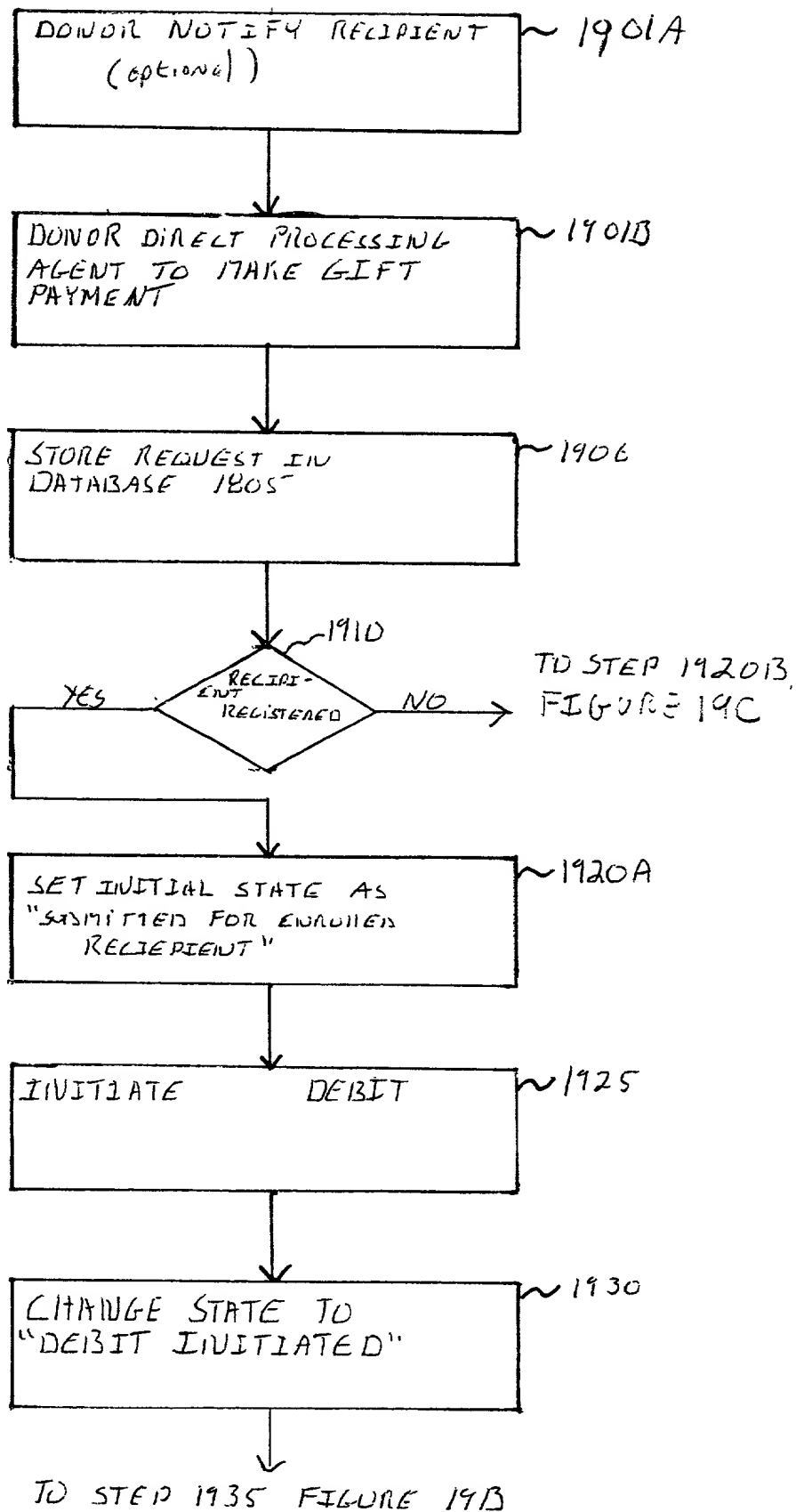


FIGURE 19A

FROM STEP 1930 FIGURE 19A

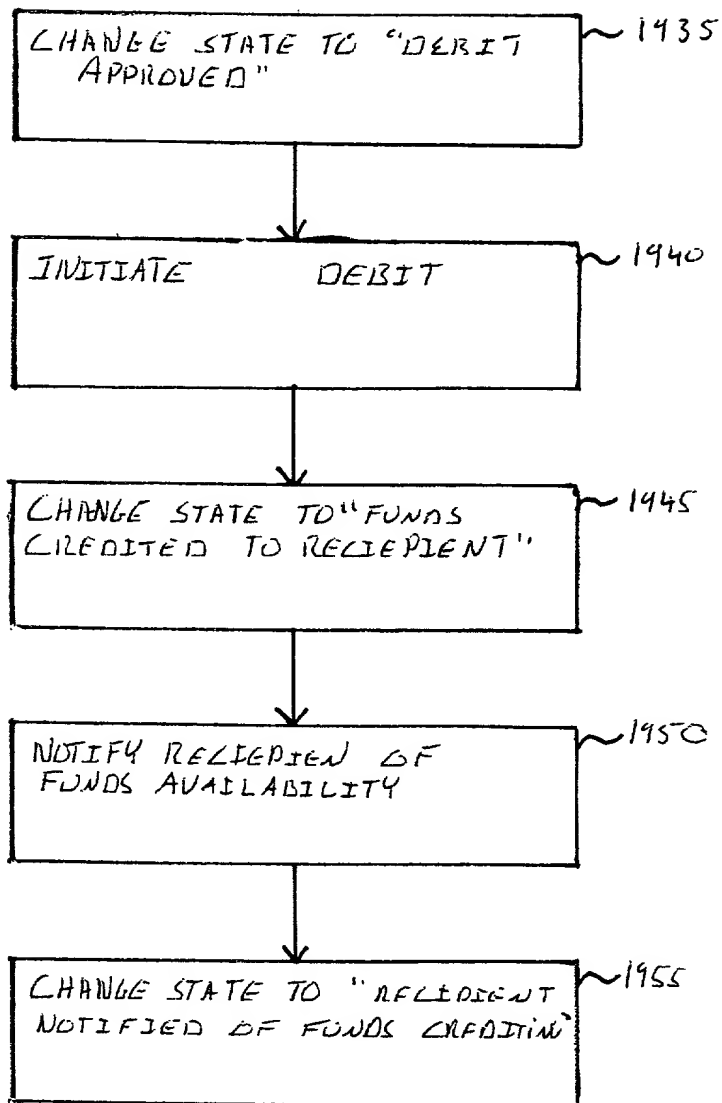


FIGURE 19B



From STEP 910 of Figure 19A

SET INITIAL STATE AS "SUBMITTED  
FOR NON-ENROLLED RECIPIENT" ~ 1920B

NOTIFY/INVITE NON-  
ENROLLED RECIPIENT ~ 1960

CREATE AND STORE  
PENDING TRANSACTION ~ 1961

REGISTER NON-ENROLLED  
RECIPIENT ~ 1965

CHANGE STATE TO "SUBMITTED  
FOR ENROLLED RECIPIENT" ~ 1970

TO STEP 1925 FIGURE 19A

FIGURE 19C

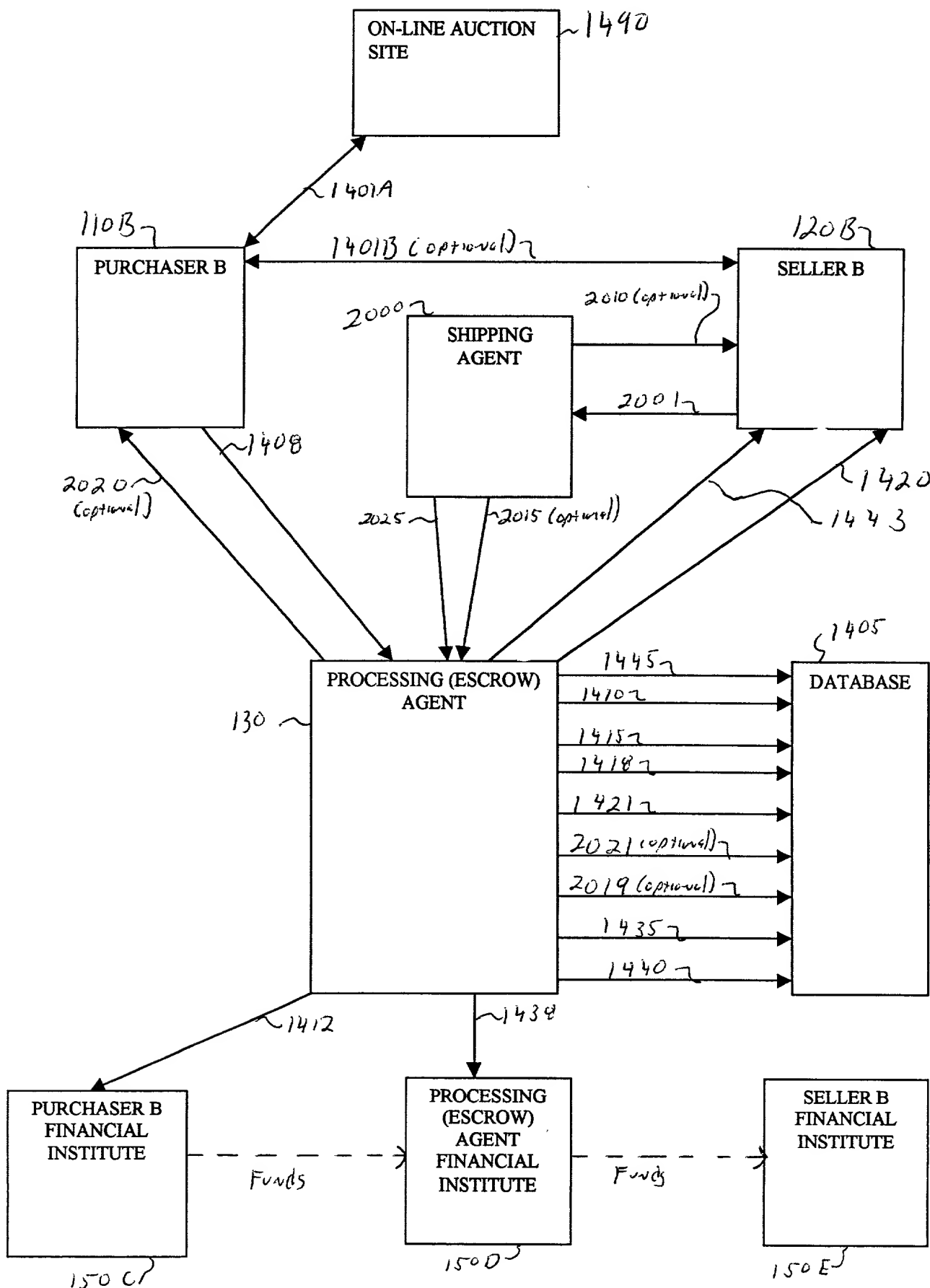


FIGURE 20

From Step 1520, Figure 15A

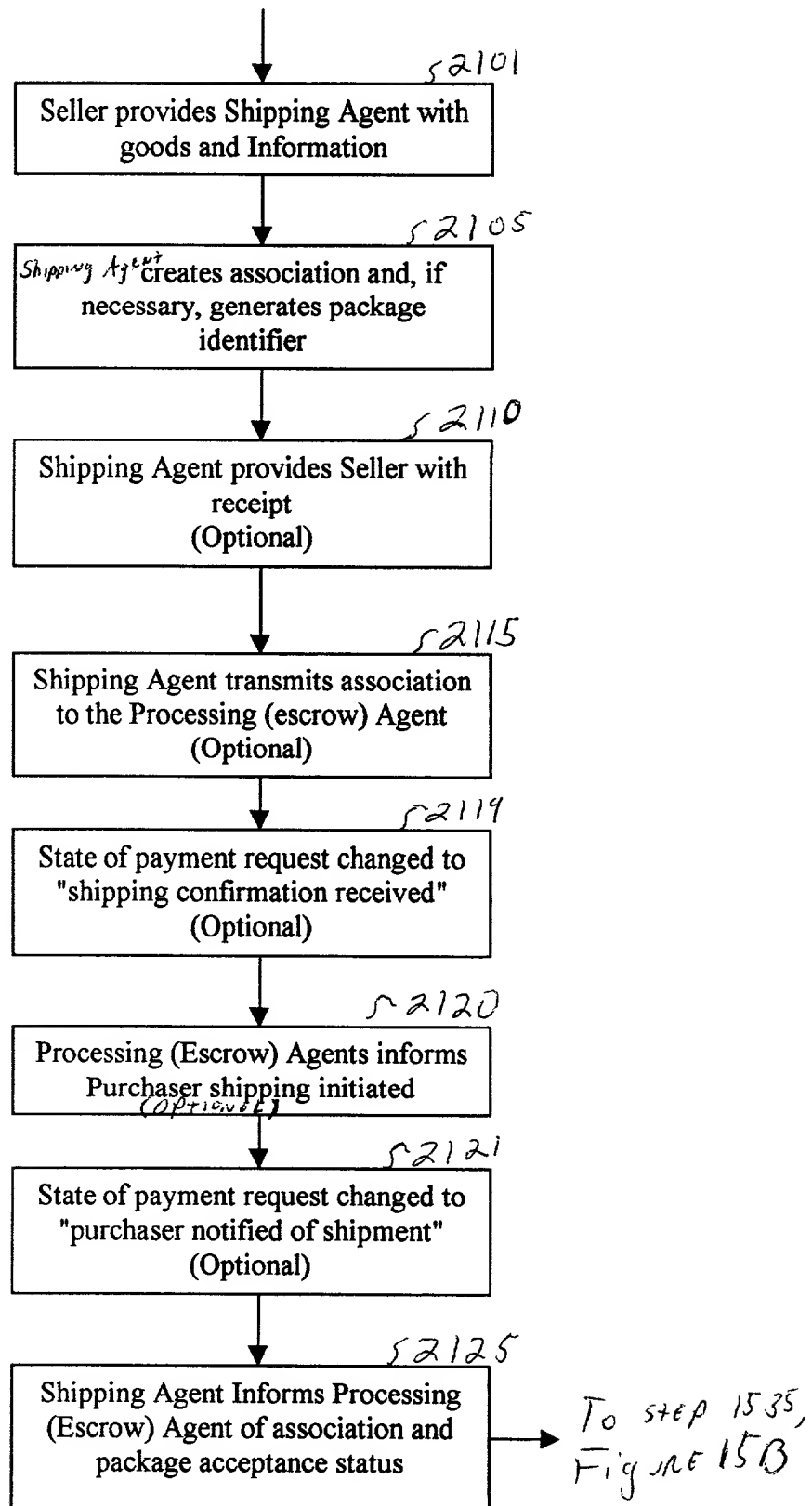


FIGURE 21



From Step 1520, Figure 15

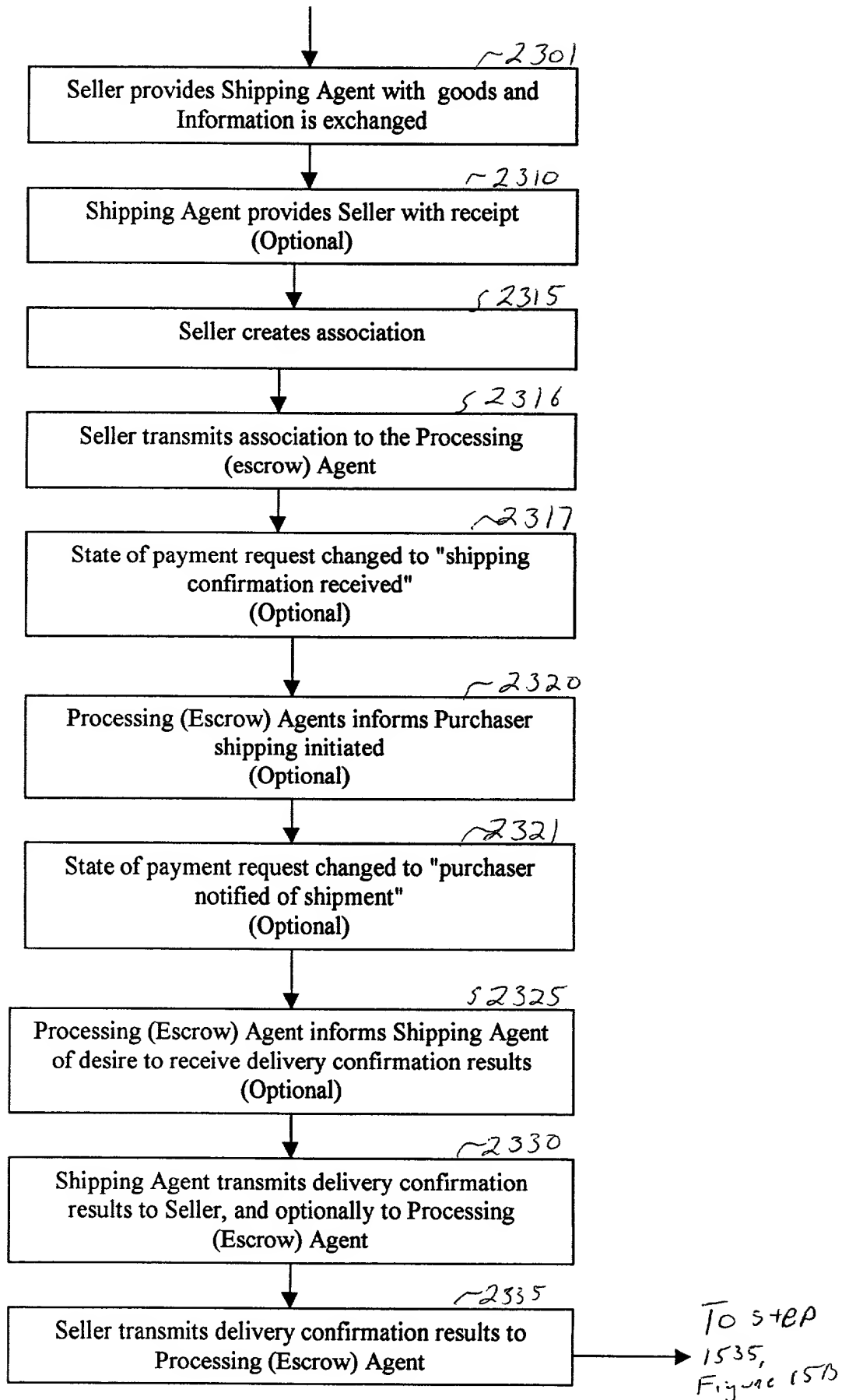
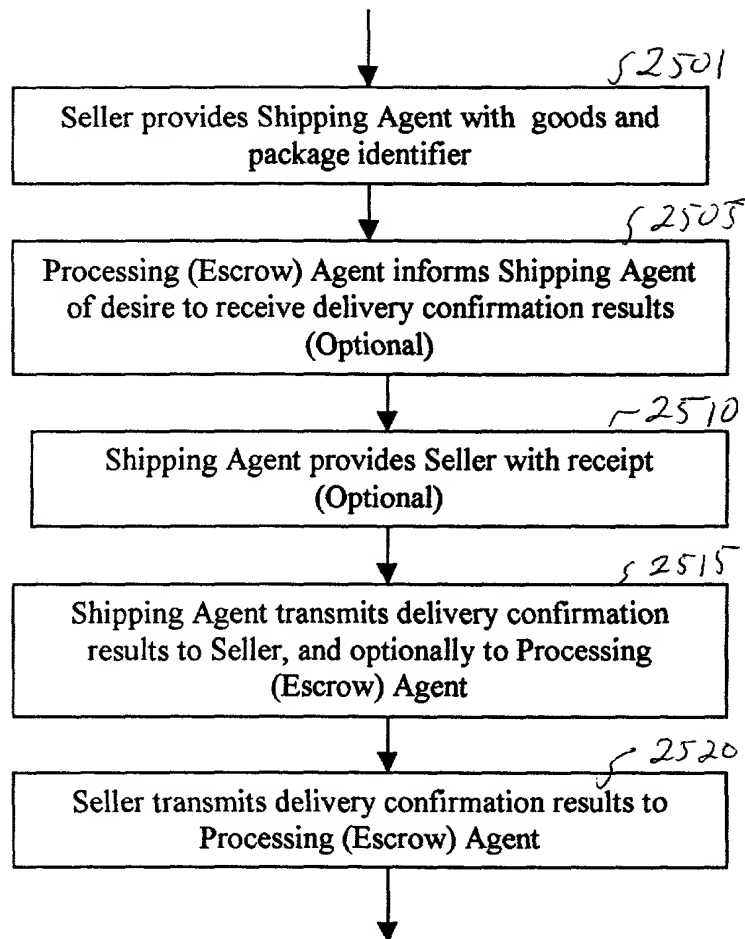


FIGURE 23



From Step 1520, Figure 15



To step 1535 of Figure 15B,

FIGURE 25

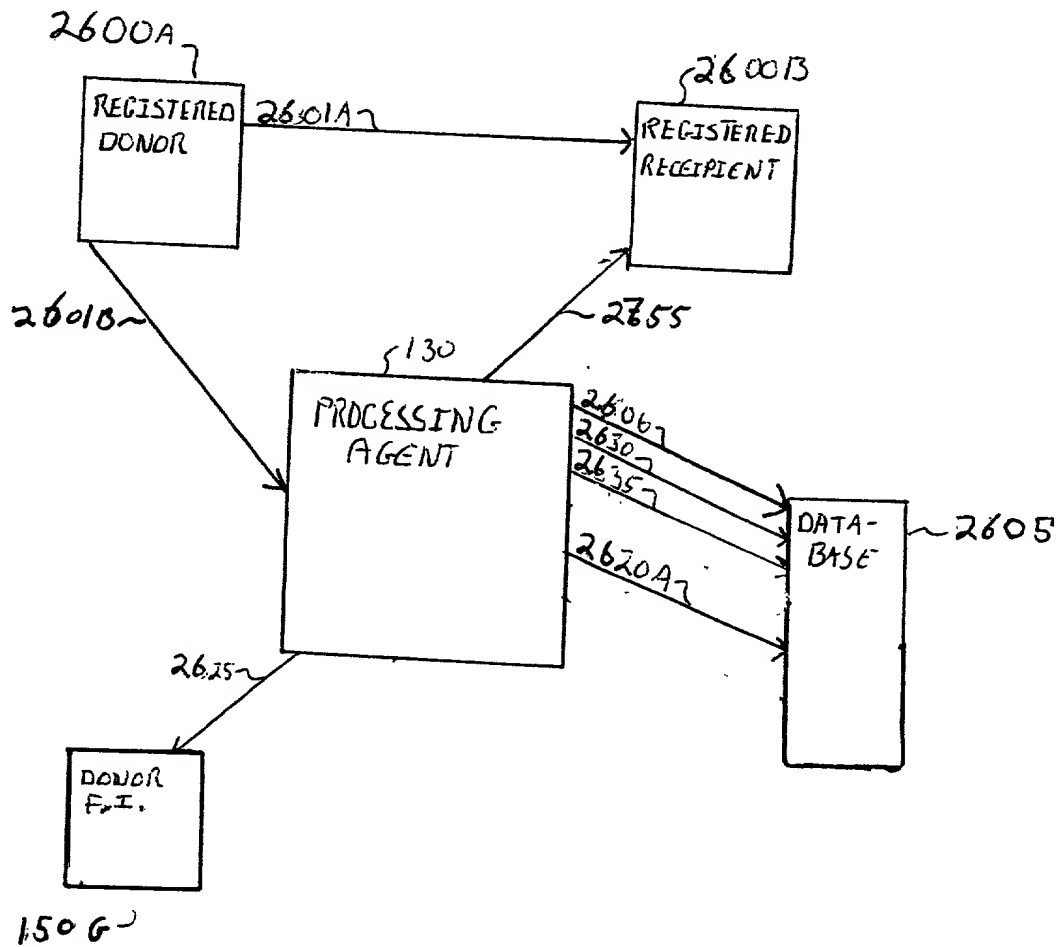


FIGURE 26



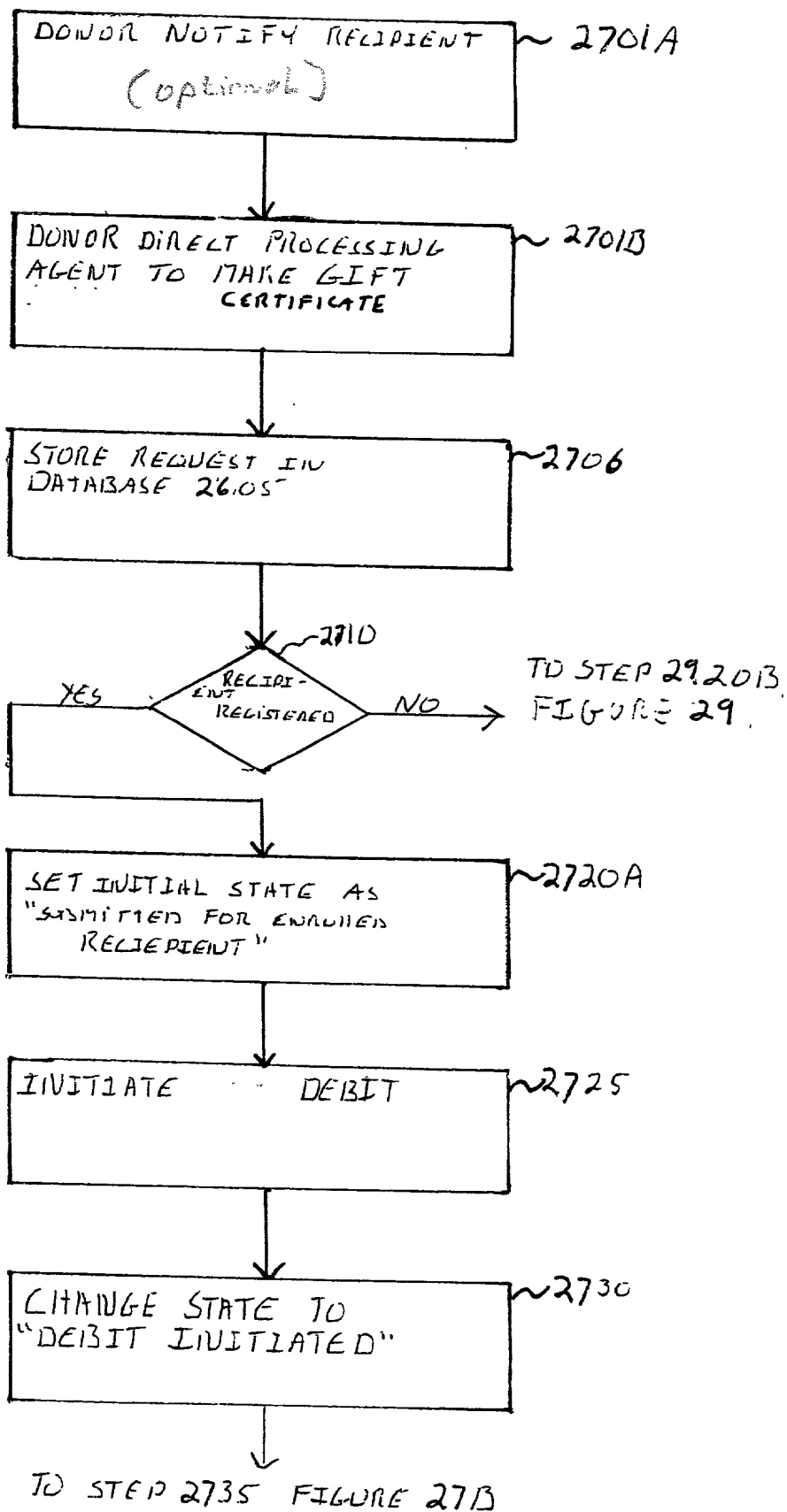


FIGURE 27A

FROM STEP 2730 FIGURE 27A

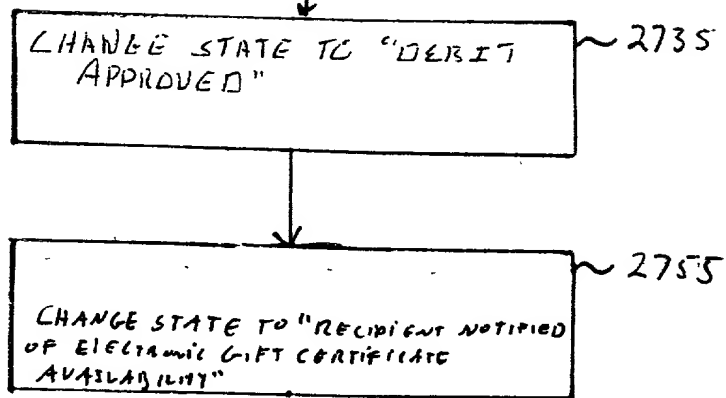


FIGURE 27B

```

graph TD
    RD[REGISTERED DONOR] -- 2601A --> NER[NON-ENROLLED RECIPIENT]
    RD -- 2601B --> PA[PROCESSING AGENT]
    PA -- 2860 --> NER
    PA -- 2606, 2880, 2820B, 2890 --> DB[DATA-BASE]
    style RD fill:#fff,stroke:#000,stroke-width:1px
    style NER fill:#fff,stroke:#000,stroke-width:1px
    style PA fill:#fff,stroke:#000,stroke-width:1px
    style DB fill:#fff,stroke:#000,stroke-width:1px
  
```

FIGURE 28

097439.13300

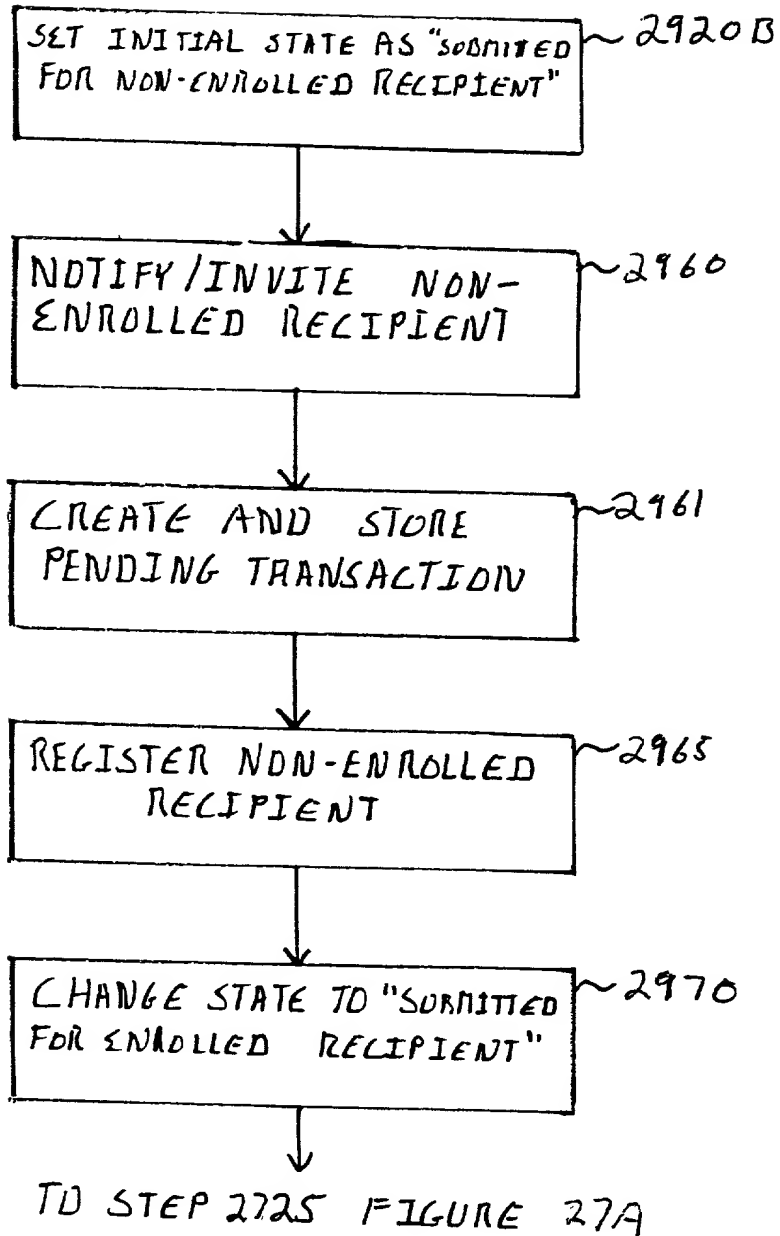


FIGURE 29